

# Vitiligo Melanocyte Cell Line, Nonlesional

**Catalogue number:** 154106

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Pranab K Das

**Institute:**

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Vitiligo Melanocyte Cell Line, Nonlesional

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** Vitiligo is a long-term skin condition characterised by patches of the skin losing their pigment. The patches of skin affected become white and usually have sharp margins. The exact cause of vitiligo is unknown however it is believed to be due to genetic susceptibility that is triggered by an environmental factor such that an autoimmune disease occurs. This results in the destruction of skin pigment cells. Risk factors include a family history of the condition or other autoimmune diseases, su...

**Purpose:**

**Parental cell:** Non-lesional skin of vitiligo patient

**Organism:** Human

**Tissue:**

**Model:** Primary line

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** Autologous skin was taken from patients with vitiligo using a dermatome. Epidermal cell suspension was isolated from the skin sample and seeded in cell culture medium

consisting of HAMs F10 supplemented with 10<sup>-6</sup>g/ml 12-0-tetradecanoylphorbol 13-acetate (PMA), 0.1nM isobutyl-methyl-1-xanthine (IBMX), 1% Ultrosor G, 2mM glutamine, 100 IU/ml penicillin and 100<sup>-6</sup>g/ml streptomycin. Overgrowth of fibroblasts and keratinocytes was prevented by addition of geneticine 1/100 (G418).

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** HAMs F10 supplemented with 10<sup>-6</sup>g/ml 12-0-tetradecanoylphorbol 13-acetate (PMA), 0.1nM isobutyl-methyl-1-xanthine (IBMX), 1% Ultrosor G, 2mM glutamine, 100 IU/ml penicillin and 100<sup>-6</sup>g/ml streptomycin. Overgrowth of fibroblasts and keratinocytes was prevented by addition of geneticine 1/100 (G418)

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry ice

## Related tools

Related tools:

## References

References:

CancerTools.org